

HEALTH PROFESSIONS

EDUCATIONAL SPACES

Printing Instructions

1. Print the Table of Contents section to obtain an overview of the total document.
 2. Print each document section that you are interested in.
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HEALTH PROFESSIONS EDUCATION

GENERAL PROGRAM GOALS AND OBJECTIVES

- ☐ Students at the secondary level are provided with an opportunity to explore a wide variety of career options, learn some basic health care competencies and receive specific training as nursing assistants or health care aides. Postsecondary programs expand these experiences for specific careers in nursing, surgical technology, dental assisting, health information technology, medical assisting, and physical therapy assisting.

PROGRAM ACTIVITIES

- ☐ Demonstrations
- ☐ Lectures
- ☐ Storing
- ☐ Group Work and Individual Study
- ☐ Computer Work
- ☐ Personal/Patient Care
- ☐ Activities of Daily Living
- ☐ Lab Activities
- ☐ Role Playing
- ☐ Skill Testing
- ☐ Safety Procedures
- ☐ Invasive Procedures
- ☐ X-rays
- ☐ Equipment Handling and Storage
- ☐ Decontaminating Procedures

AREAS

DESCRIPTION	EST. STAFF	EST. STUDENTS	SQ. FT. TOTAL
Gen. Classroom	1-2	15-30	900
Demonstration Lab	1-20	15-20	500-600
Storage	1		300
Computer lab	1-2	15-30	900
Restroom	1		100
Office	1-2		150
Dark Room	1-2	4-6	100
Dental lab	1-2	15-20	100

INTERNAL/EXTERNAL RELATIONSHIPS - WHAT SHOULD BE NEAR THIS AREA

- ☐ The lab and classroom should be adjacent
- ☐ The lab should be located near the restroom.
- ☐ The lab should be located near the dark room.
- ☐ This area should be near the core science classes if possible.

INTERNAL/EXTERNAL RELATIONSHIPS - WHAT SHOULD **NOT** BE NEAR THIS AREA

- ☐ Privacy is important so this area should be away from high traffic.
- ☐ Any noisy areas such as the gymnasium and music room should be far from the health professions education classes.

UTILITIES

Plumbing:

- ☐ A sink needs to be provided in the general classroom.
- ☐ Four deep sinks with knee controls need to be installed in the lab.
- ☐ Restrooms with floor drains need to be provided.
- ☐ An eye wash station should be installed at the classroom sink.
- ☐ A dental spray sink area needs to be provided.
- ☐ Oxygen need to be installed above the hospital beds.
- ☐ A sink and floor drain is needed in the dark room.
- ☐ Plumbing should be positioned or dampened to minimize noise.

HVAC

- ☐ Compressed air is needed in the lab area.
- ☐ Vacuums are needed in the bed area.
- ☐ Exhaust ventilation is needed in the dark room.
- ☐ A hood vent will be required over the dental table.
- ☐ Consider extra ventilation in all of these labs.
- ☐ The heating, ventilation, and air-conditioning system needs to be of sufficient size to keep each instructional space at a comfortable temperature.
- ☐ The system needs to have a fresh air exchange system to keep high air quality in each instructional space.
- ☐ The general classroom supply and exhaust ducts need to be positioned to minimize any draftiness in the room.

- ☐ The HVAC controls need to be designed to allow individuals the ability to modify the classroom temperature for the instructional requirements of the classroom activities.
- ☐ The controls need to be positioned so that the room temperature is not “misread” (e.g., not too close to a door, window, or vent.)

Electrical:

- ☐ High level hospital-height outlets are needed by each bed.
- ☐ Electrical supply is needed for view boxes.
- ☐ Ample outlets are needed above base cabinets.
- ☐ Electrical supply is needed to the dental chair.
- ☐ A spot light and bed lights are needed at each bed.
- ☐ Electrical supply outlets need to be sufficient to meet the electrical equipment needs of the modern classroom.
- ☐ Floor outlets need to be placed in front of any operable walls.
- ☐ Electrical supply outlets need to be provided for any built-in audio-visual equipment installed in the classroom (e.g., television, VCR, electric ceiling screen, etc.) Controls for the screen should be by the light switches.
- ☐ Each classroom should have occupancy sensors installed for lights.

Lighting:

- ☐ Lights are needed directly above the head of the hospital beds.
- ☐ Spot lights in the multipurpose lab are needed.
- ☐ Special lighting needs to be considered for the dark room.
- ☐ Lighting needs to be even across the classroom.

- ☐ Bi-level lighting will accommodate an instructor's need to vary the light intensity for different instructional tasks.
- ☐ The ceiling light fixtures need to be energy efficient T-8s with an electronic ballast to keep operating costs at a minimum. The lamps should have a CRI of .85.

Technology:

- ☐ Data drops will be needed at the following areas:
 - Lecture and screen area
 - Computer area (6-8 drops)
 - Office
 - Hospital beds
- ☐ Intercom systems need to be installed at hospital beds for simulation.
- ☐ Telephones are needed in the lab, classroom and office.
- ☐ Each classroom needs to have access to cable TV for commercial, satellite and closed circuit broadcasts over the cable.
- ☐ Telephone jacks should be placed near the door to the classroom and near the teacher's area.
- ☐ The telephone system should be programmed to enable outgoing calls directly from the classroom. All incoming calls should go through the main office switchboard.
- ☐ Each classroom should be equipped with an integrated clock, intercom, and bell system.
- ☐ Each classroom should be equipped with a TV, VCR, electric screen and overhead/LCD projector. In those classrooms that have moveable walls,

- ☐ the TV/VCR needs to be placed away from the moveable wall for noise separation.
- ☐ The area should be wired with data cable to enable the connection of a local area network and a wide area network.

SURFACES

Floors:

- ☐ Vinyl composition tile floors should be considered.
- ☐ Lead-lined floors and walls may be necessary in the multipurpose lab.

Walls:

- ☐ Smooth, washable walls are necessary.
- ☐ Bumper guards should be placed by the beds in the lab and around the restroom.
- ☐ Tackable walls should be provided in the classroom.
- ☐ White boards with friction clips should be installed in the classroom.
- ☐ High windows over the wall cabinets should be considered.
- ☐ Interior windows in the office should be provided for supervision.
- ☐ Windows need to be of double pane glass and have operable integral blinds where practical.

Ceilings:

- ☐ Ceilings should be acoustical tile at 9'-11' in height.

Doors:

- ☐ Each general classroom door should have a small narrow window.
- ☐ A light trap door is necessary in the dark room.
- ☐ Hospital doors should be installed in the storage room.
- ☐ Locking doors should be provided where applicable.

STORAGE

- ☐ Adjustable and deep shelves are needed in all storage areas.
- ☐ Display cabinets should be included in the classroom.
- ☐ A lead vest bracket is needed.
- ☐ Each general classroom needs to have at least 24' of base cabinets for storage.
- ☐ The base cabinets should have counter tops and should have knee spaces underneath to act as desks for computer stations.
- ☐ Each general classroom needs to have overhead wall cabinets above the base cabinets.
- ☐ Each general classroom needs to have sufficient storage for those specialized books, magazines, and other instructional materials necessary for successful instruction.
- ☐ Each general classroom needs to have some of the storage cabinets be secured specifically for the personal effects of the instructors.
- ☐ Space is needed for two (2) four-drawer, letter-size file cabinets.

FURNITURE AND EQUIPMENT

- ☐ Examination table and surgical table
- ☐ Dental chair
- ☐ View boxes
- ☐ 1 Gurney
- ☐ CPR mannequin
- ☐ 1 surgery backup table
- ☐ Hospital beds
- ☐ Each general classroom needs to be equipped with sufficient desks, tables, and chairs to meet the needs of the instructional program.
- ☐ Each general classroom needs to be equipped with a television, VCR, overhead/LCD projector, and an electric ceiling-mounted screen.

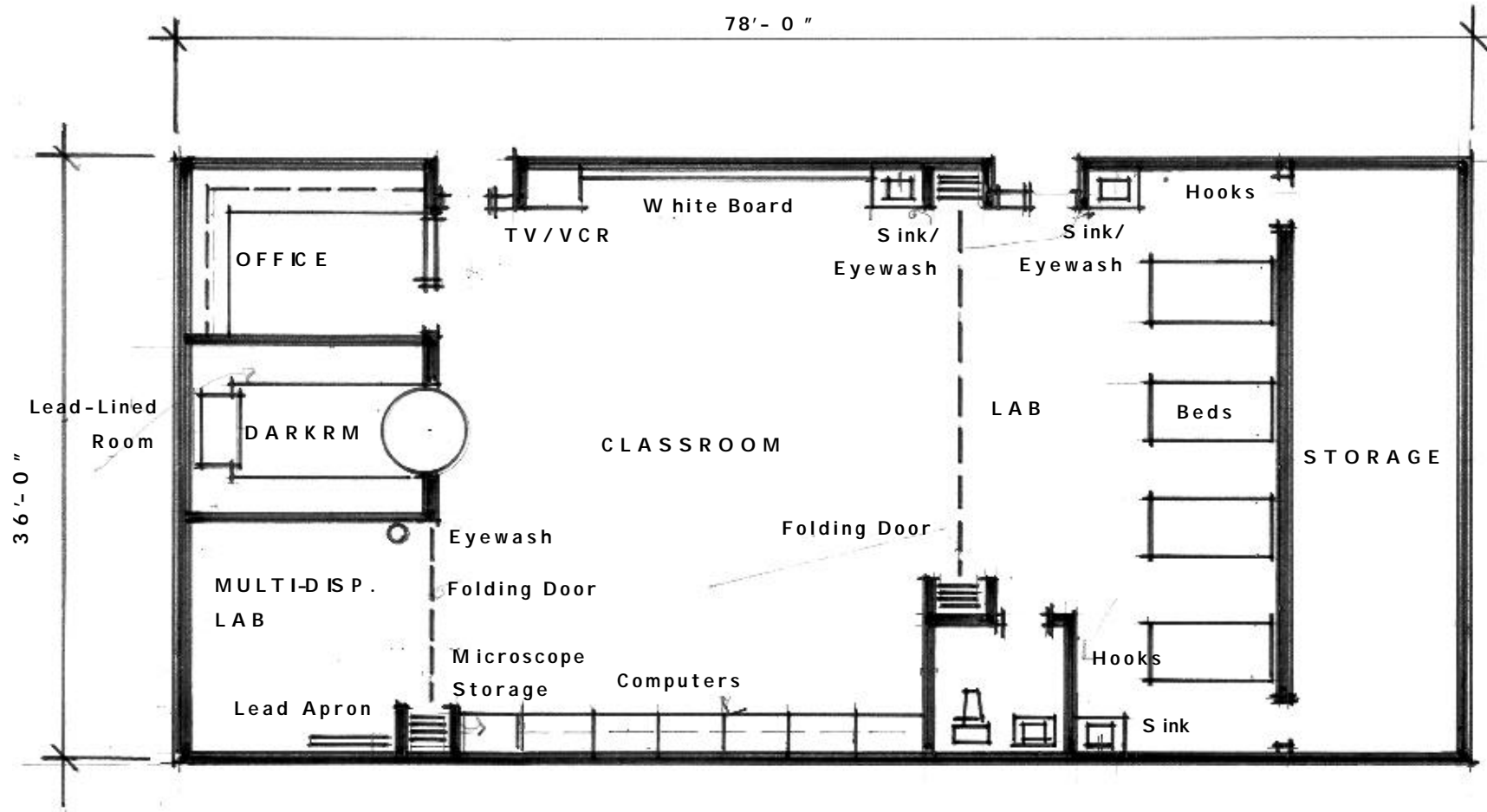
SAFETY ISSUES

- ☐ Lead vest and lead protected walls and floors should be considered in the X-ray area.
- ☐ Proper, secured storage is important for safety.
- ☐ All furniture should be ergonomically correct.

IMPORTANT NOTE

The following graphics are intended to show typical spaces and spacial relationships. They are not intended to serve as architectural drawings and are not adapted to specific sites.

These graphics should be used as a starting place for discussions with district personnel, planners, architects and engineers. Almost certainly, changes and adaptations will be required to meet the particular needs of the educational institution and the programs they offer.



HEALTH PROFESSIONS EDUCATION

The Matrix Group

Not to Scale